



Agenda Item 6: Other business

ACTION PLAN TO REPLACE DUPLICATED WAYPOINTS IN BRAZIL

(Presented by Brazil)

SUMMARY

Given the need to replace duplicate waypoints, Brazil has developed an action plan to correct this problem. This Working Paper describes the plan made by Brazil.

References:

- SAM/AIM/12 Meeting
- ATSRO Meetings

1. Background

1.1 During the SAM/AIM/12 meeting held in the week of June 3 to 7, 2019, in Lima, Peru, ICAO presented a topic on duplicate benchmarks and cited the problem of 3,892 duplicate waypoints worldwide. They also commented on the differences between the 5LNC data recorded in the ICARD database and those in the state AIP. In this regard, ICAO asked states to develop an Action Plan to correct the problems.

1.2 Although this topic was presented at an AIM meeting, the solution to this problem implies the need for modifications to the route letters and TMA letters (SID, STAR and IAC). Therefore, it is a multidisciplinary issue.

2. Discussion

1.2 According to the *portal.icao.int*, there are currently 122 duplicate waypoints in use in Brazil's airspace. To correct the problem, the identifications will be changed and, as a result, the affected publications will be updated.

2.2 Of this total of 122 waypoints, 36 are used exclusively on routes published in the letters ENRC, ARC and AIP BRAZIL (in ENR part 3). Another 17 are exclusive to the air navigation procedures (SID, STAR and IAC) covering 47 locations. The remaining 69 waypoints are common to the publications indicated above.

3. Action plan

3.1 To solve this problem, Brazil has developed a plan. The works will be published in three amendments. The corrected charts will be published from June 2020 to February 2021.

3.2 AMDT AIRAC 18 JUN 20: provides for the publication of the ENRC H1, L1, H3, L3, H7, L7, H8, L8, H9, L9, ARC Amazon, ARC Manaus, ARC Belem, ARC Salvador, ARC Natal route charts and ARC Recife, in addition to the respective air navigation procedures of the airports affected by the modified points in the route charts.

3.3 AMDT AIRAC 10 SEP 20: ENRC H1, L1, H2, L2, H5, L5, ARC Porto Alegre, ARC Foz do Iguaçu, ARC Curitiba / Florianopolis, ARC RJ / SP, ARC Belo Horizonte, ARC Vitoria, ARC Academia, in addition of air navigation procedures for airports affected by modified points in the route charts.

3.4 AMDT AIRAC 25 FEB 21: H4, L4, H6, L6, updates of the ARC Anapolis and ARC Brazilia route charts are provided, as well as air navigation procedures for the airports affected by the modified points on the route charts.

4. Conclusion

4.1 The duplication of waypoints is an old problem and affects the user navigation database. Since SAM/IG meetings involve regional implementation actions, it would be appropriate for all States to come together to plan actions to correct the problem.

5. Suggested actions

- a) Take note of the information in this Working Paper; and
- b) Encourage another States to present their action plans to correct this problem throughout the SAM region.